

**Table 17. U.S. Methane Emissions from Petroleum Systems, 1990 and 1995-2003**

Source	1990	1995	1996	1997	1998	1999	2000	2001	2002	P2003
<b>Million Metric Tons Methane</b>										
Refineries .....	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Exploration and Production.....	1.26	1.13	1.11	1.11	1.07	1.01	1.00	0.99	0.98	0.98
Crude Oil Transportation.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>Total .....</b>	<b>1.30</b>	<b>1.17</b>	<b>1.15</b>	<b>1.14</b>	<b>1.11</b>	<b>1.04</b>	<b>1.03</b>	<b>1.03</b>	<b>1.02</b>	<b>1.02</b>
Natural Gas STAR Reductions ..	0.00	0.05	0.06	0.08	0.08	0.09	0.09	0.09	0.09	0.09
<b>Million Metric Tons Carbon Dioxide Equivalent</b>										
Refineries .....	0.57	0.58	0.59	0.61	0.62	0.62	0.64	0.62	0.62	0.63
Exploration and Production.....	29.00	26.08	25.50	25.45	24.66	23.16	22.92	22.85	22.63	22.59
Crude Oil Transportation.....	0.30	0.27	0.27	0.27	0.26	0.24	0.24	0.23	0.24	0.24
<b>Total .....</b>	<b>29.87</b>	<b>26.93</b>	<b>26.36</b>	<b>26.33</b>	<b>25.54</b>	<b>24.03</b>	<b>23.79</b>	<b>23.71</b>	<b>23.48</b>	<b>23.46</b>
Natural Gas STAR Reductions ..	0.05	1.24	1.40	1.73	1.82	2.05	2.05	1.96	2.02	2.02

P = preliminary data.

Notes: Data in this table are revised from the data contained in the previous EIA report, *Emissions of Greenhouse Gases in the United States 2002*, DOE/EIA-0573(2002) (Washington, DC, October 2003). Totals may not equal sum of components due to independent rounding. Data for Natural Gas STAR reductions are estimates provided by the EPA, based on annual submissions to the EPA by companies participating in the program, which report activities undertaken to avoid methane emissions from natural gas and petroleum systems.

Sources: U.S. Environmental Protection Agency, Office of Air and Radiation, *Draft Estimates of Methane Emissions from the U.S. Oil Industry* (Draft Report, Washington, DC); Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340 (Washington, DC, various years); and *Oil and Gas Journal*, Worldwide Refining Issue and Pipeline Economics Issue (various years).